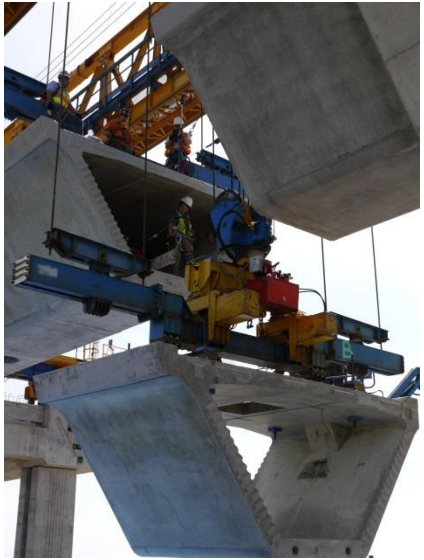
Sound Transit - South 200th Link Extension

Open House – May 22, 2014

Presentation Agenda

- Overview of South 200th Link Extension
- Guideway and Station Construction Update
- Angle Lake Station Design
  - 3D Animation
- Parking Garage Design
  - 3D Animation
- Roadway, Bicycle and Pedestrian Improvements
- Public Art Update
  - 3D Animation
- City of SeaTac – Angle Lake Station Area Planning
- Questions/Answers



Project Overview and Schedule

Miles Haupt, Project Director, Sound Transit

Project Overview

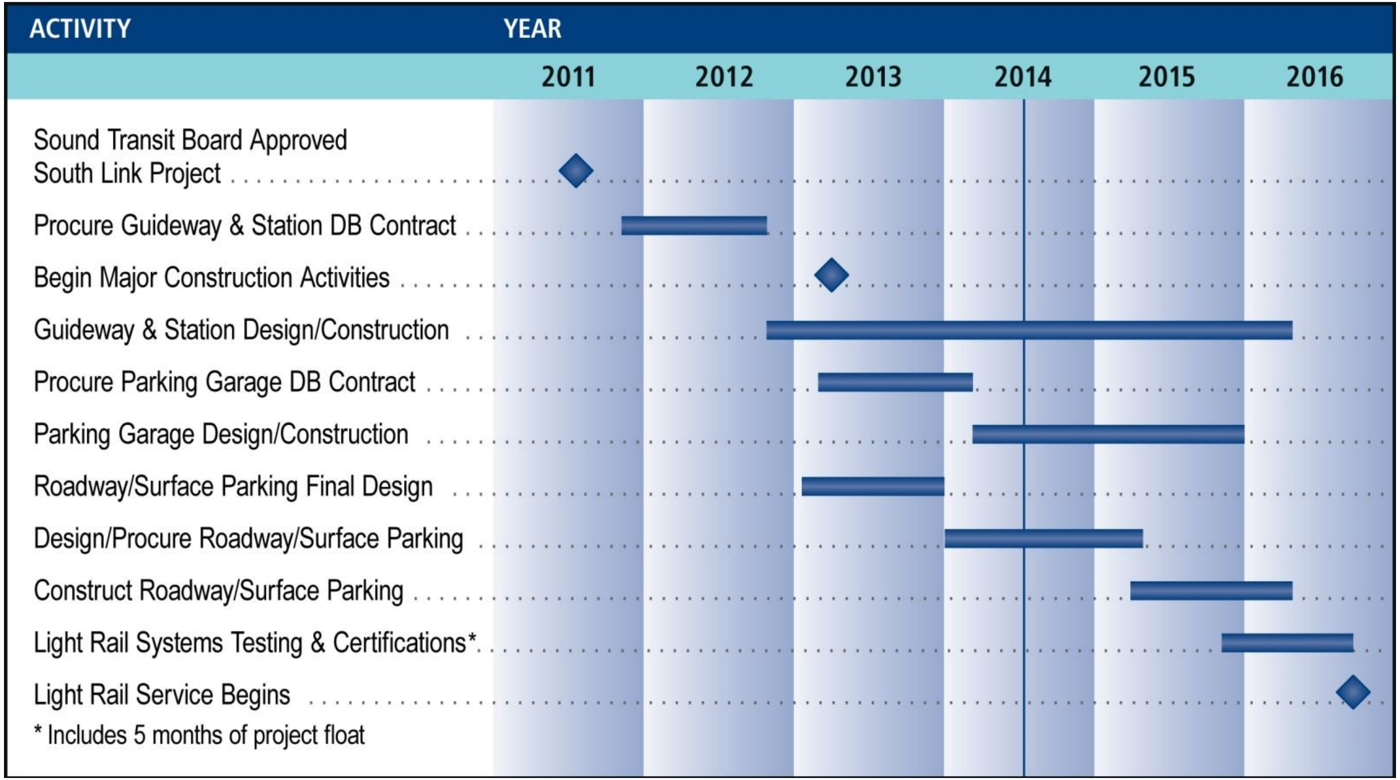
- 1.6-mile extension of Link Light Rail:
  - Elevated Guideway and Station
  - Parking Garage and Plaza
  - Roadway, Pedestrian, and Bicycle Improvements

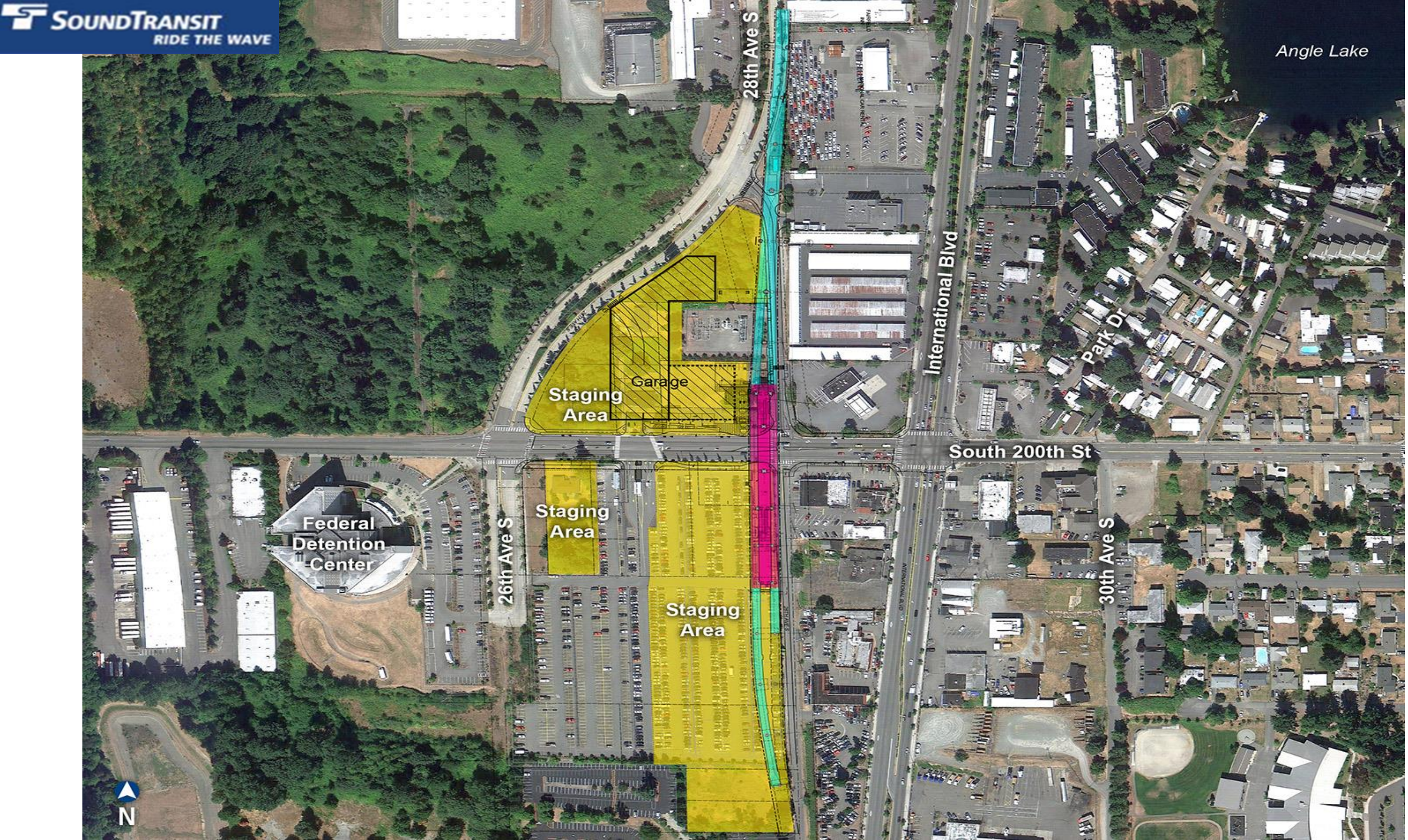
- Schedule:
  - Final Design Start: 2013
  - Construction: 2013-2016
  - System testing: 6 months
  - Open for service: Fall 2016*

*Includes 5 months of float

- Project budget: $383.2M

Project Schedule





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Angle Lake
28th Ave S
International Blvd
Park Dr
Garage
Staging Area
South 200th St
Staging Area
Federal Detention Center
26th Ave S
30th Ave S
Staging Area
N

Construction Progress

Ian Hubbard, Resident Engineer – Parsons Brinkerhoff

Construction stages

Utility Relocation

↓

Demo and site preparation

↓

Drilled Shafts/Foundations

↓

Columns

↓

Structure/Guideway

↓

Tracks/Systems

↓

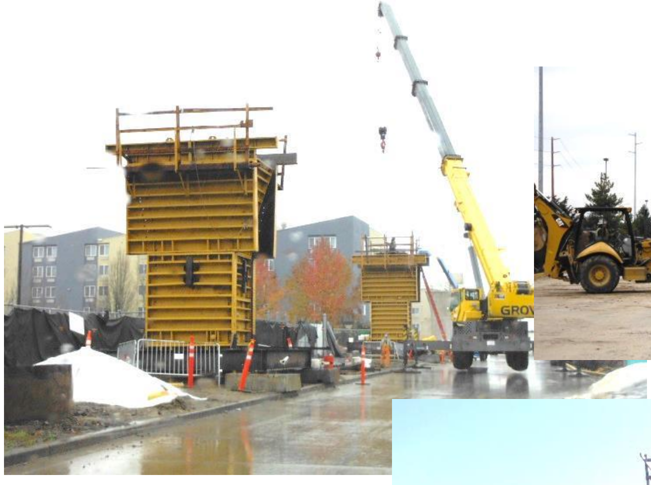
Restoration

Drilled Shaft/Foundations

- Complete!
- Drilled 66 foundations total
- 8-10 feet in diameter
- Deepest foundation: 108 feet (along Air Cargo Road)

Column Construction

- 50 Columns Completed
- 70 Columns Total
- Tallest column: 47.6 feet
  (near 28th Ave S and S 192nd Street)



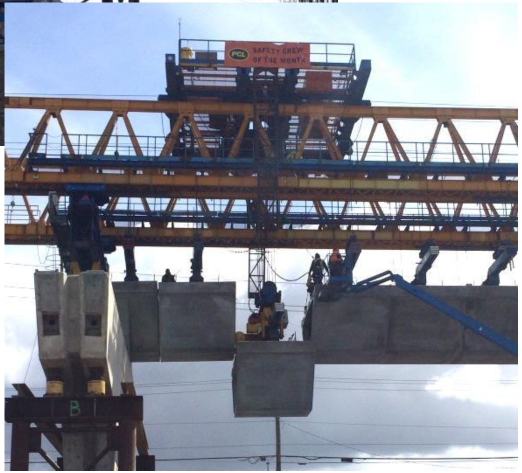
Segment Construction

42% Complete

1,166 Segments total

13 segments make one typical span

2 Balanced Cantilever sections – longest span 362.9 feet
(along Air Cargo Road)



Casting Yard

- Precast concrete segments made in Enumclaw, WA
- Trucked one-by-one directly to construction site
- Cast about 20-30 per week
- Typical segment weighs 35 tons

Angle Lake Station

Catherine Calvert, Director, VIA Architecture

Angle Lake Station – looking southwest

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Angle Lake Station – platform view

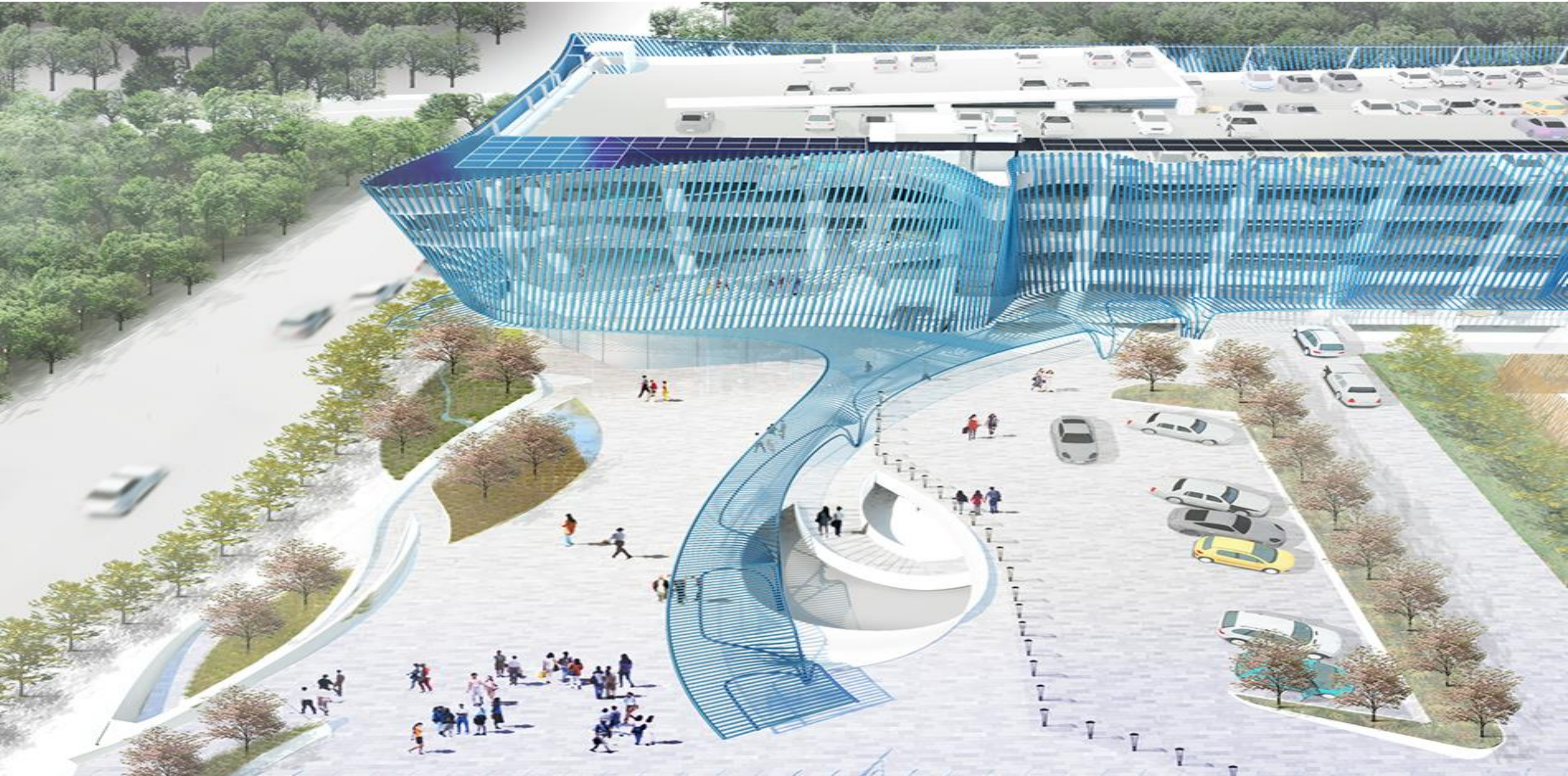
Angle Lake Station – looking east

Angle Lake Station – south plaza/entrance

Parking Garage Design

John Welch, Vice President, Harbor Pacific Contractors, Inc.

Angle Lake Station Parking Garage
Design Concept - Aerial View



Angle Lake Station Parking Garage
Design Concept – Plaza View

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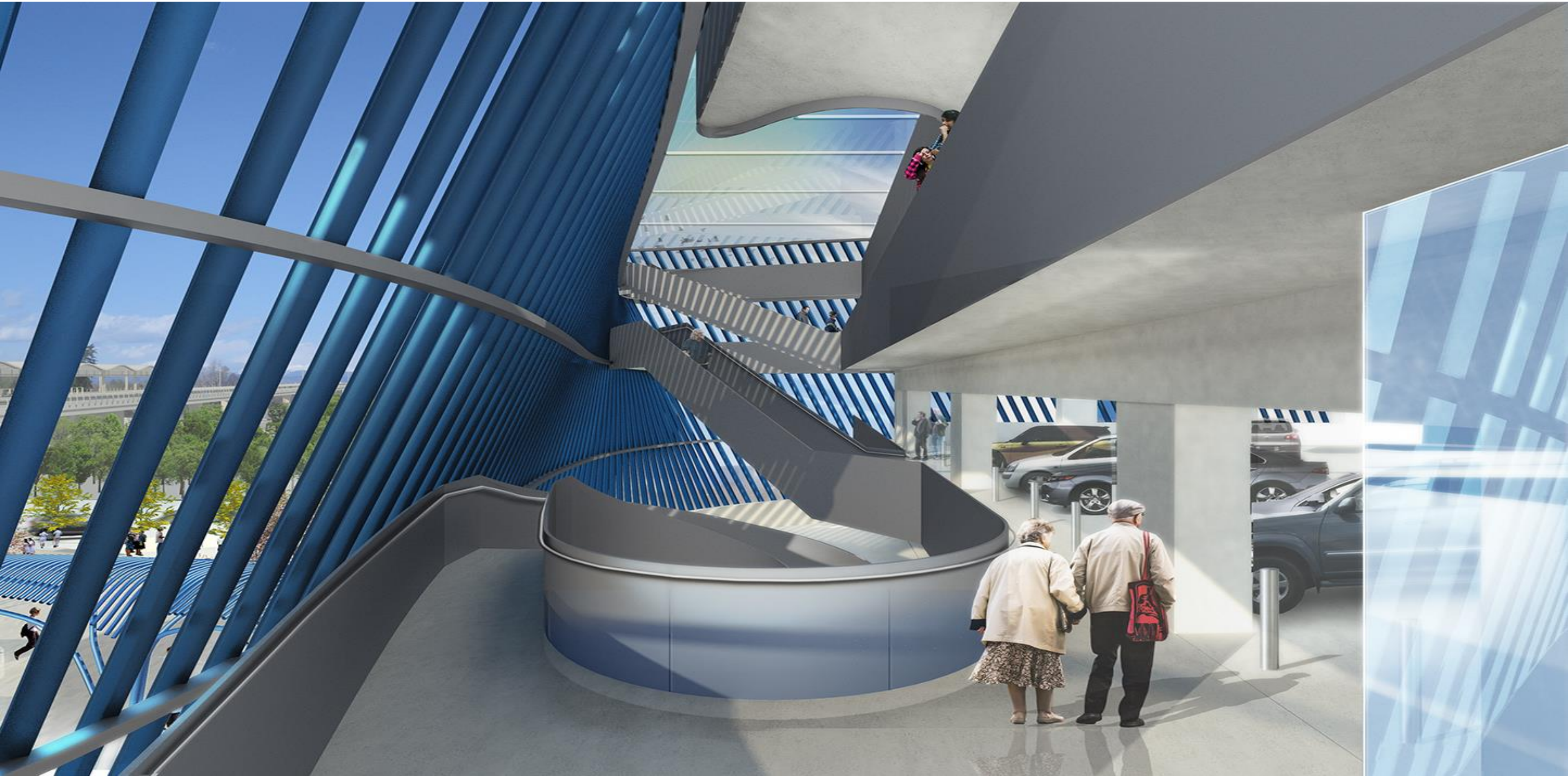
Public art proposal no longer being considered.

Angle Lake Station Parking Garage
Design Concept – Main Staircase Leading to Plaza



Angle Lake Station Parking Garage Design Concept – Building Façade, Facing South

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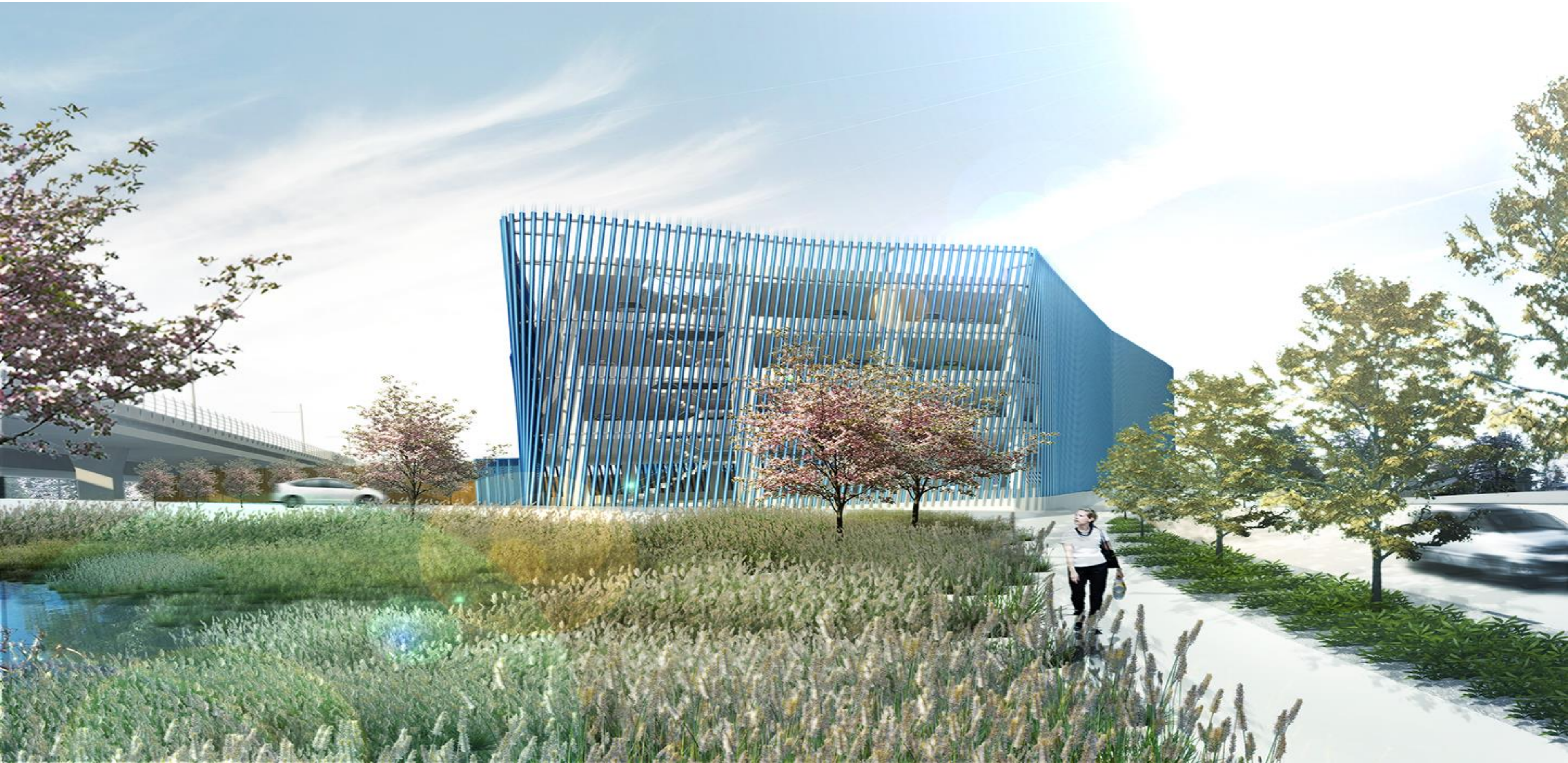
Angle Lake Station Parking Garage Design Concept – Looking North from S. 200th Street

Angle Lake Station Parking Garage
Design Concept –Future Development Opportunity



Future Development

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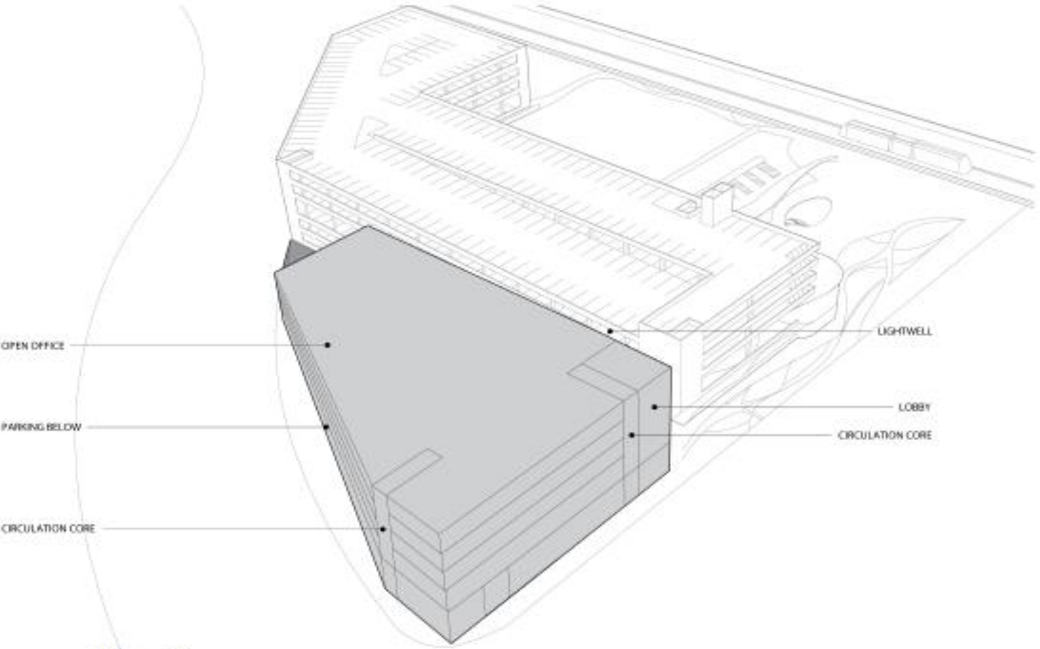
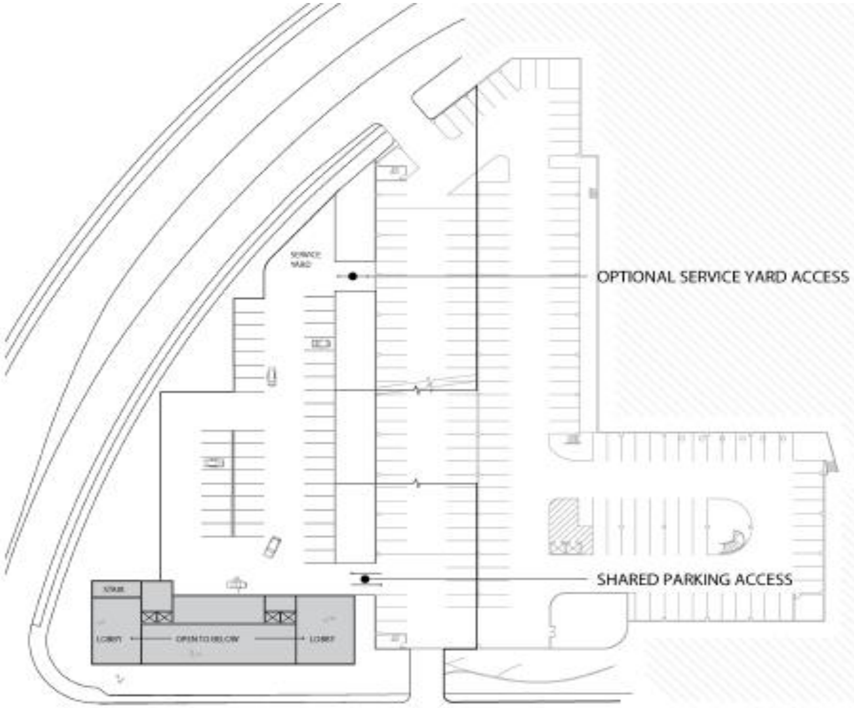


Office - oblique

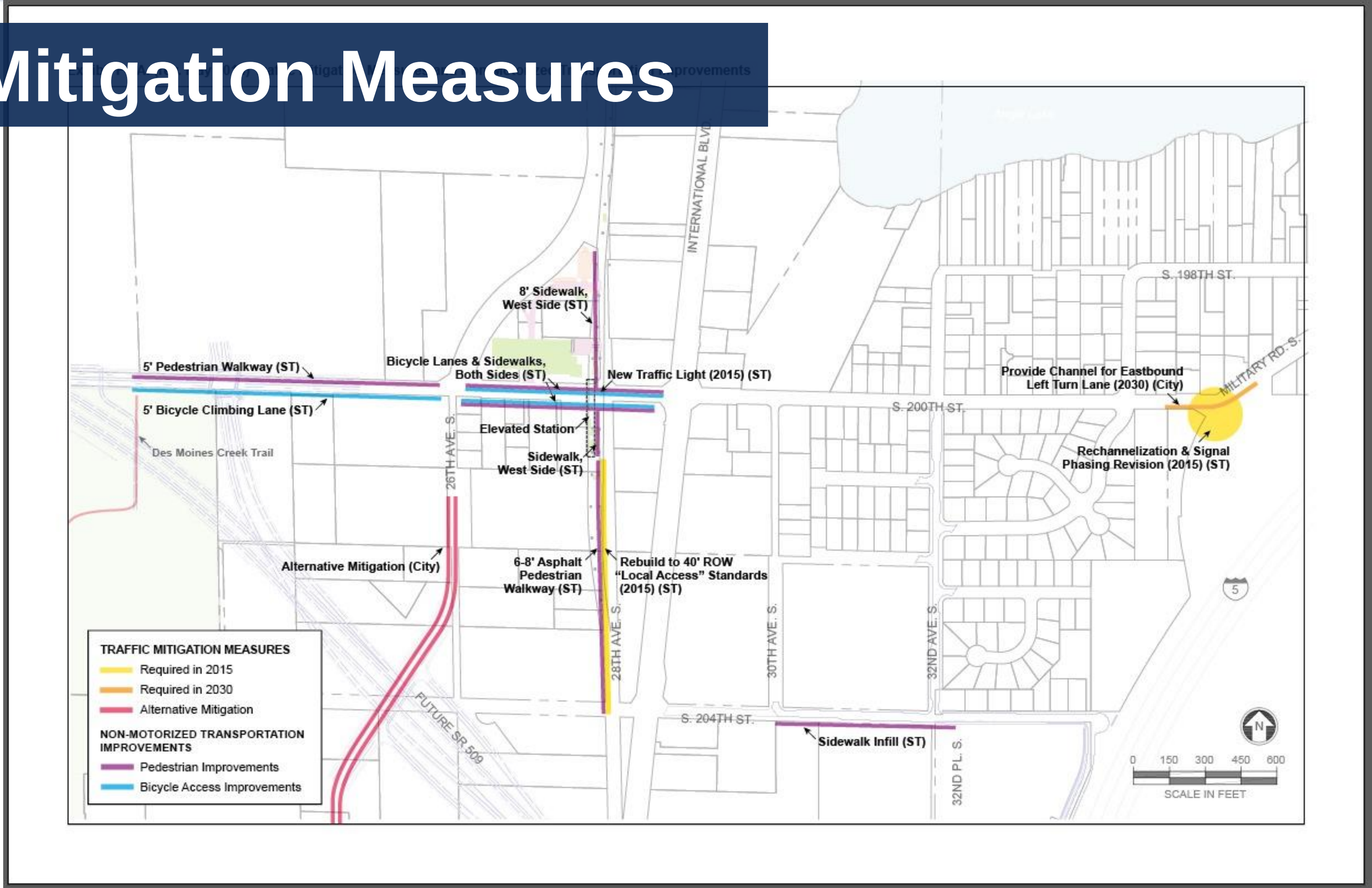


Typical second level plan

Roadway, Pedestrian and Bicycle Improvements

Mark Johnson, Project Manager, Sound Transit

Traffic Mitigation Measures



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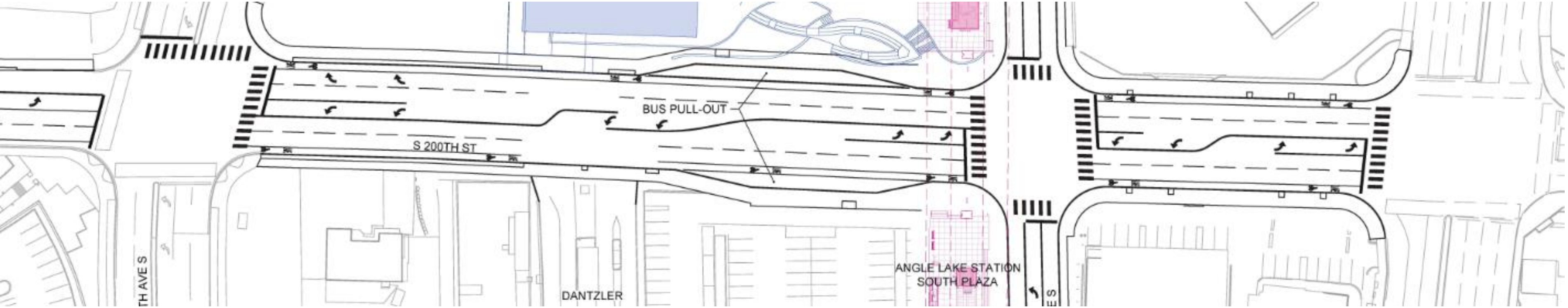
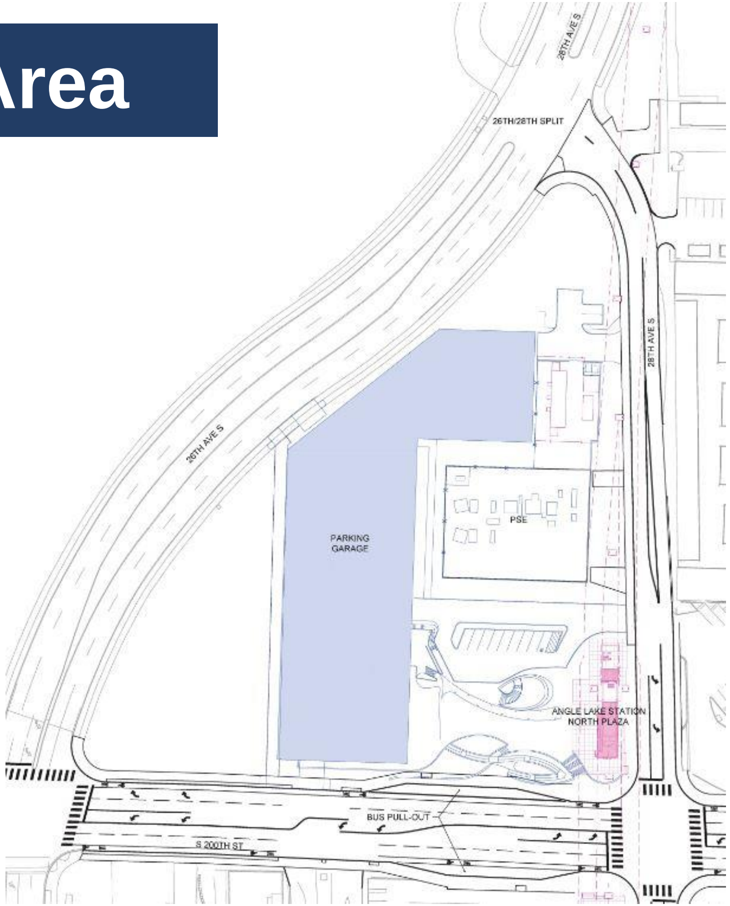
Traffic Layout – S. 200th Street



Traffic Layout – Triangle Area

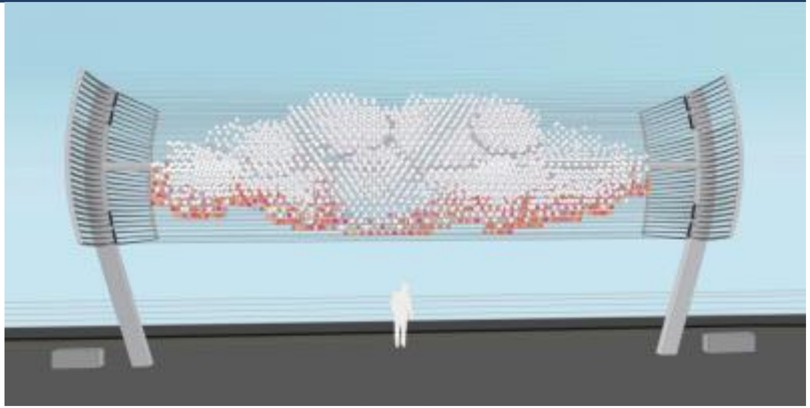


St*art* Update

Barbara Luecke, Program Manager, Sound Transit

Angle Lake Station – Platform: *Cloud*

Artist: Laura Haddad

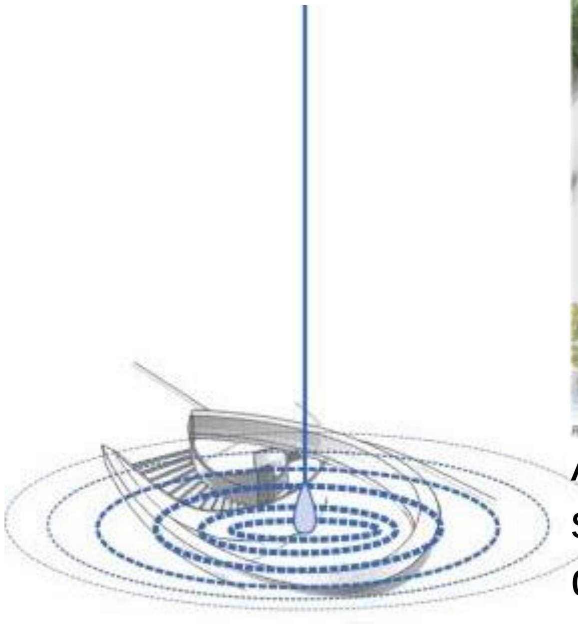


Night lighting changes color

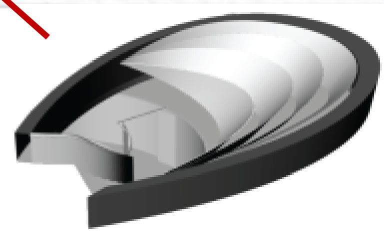
Cloud Mock-up

Angle Lake Station – Plaza: *Immerse*

Artist: Jill Anholt



Artwork integrated with the spiral stair architecture through a design team collaboration.



Angle Lake Station Area Planning

Kate Kaehny, Senior Planner, City of SeaTac

Goals for the Angle Lake Station Area Planning Project

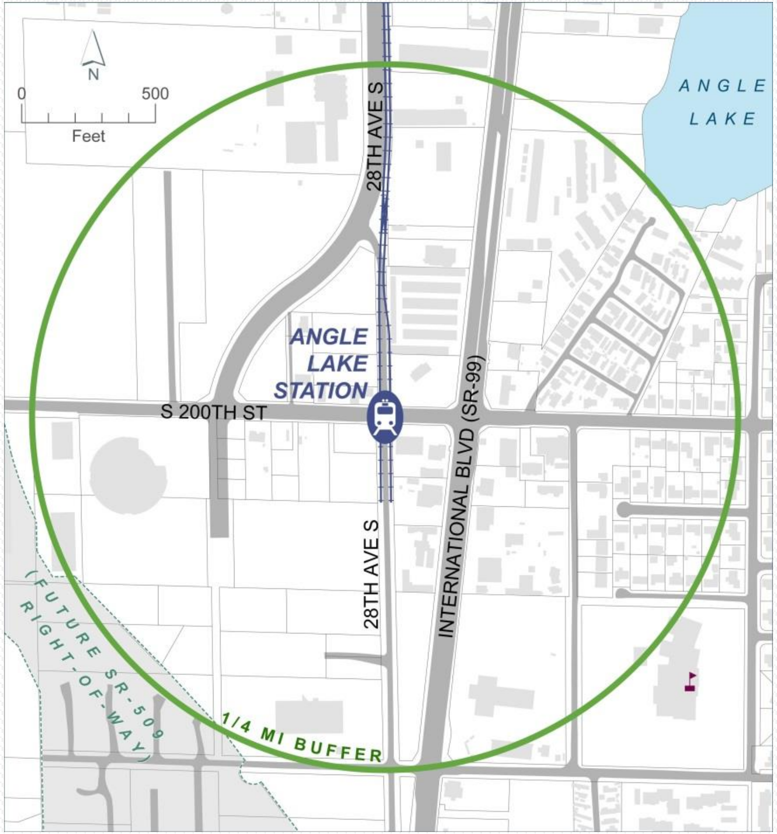
- Get ideas and feedback from residents, businesses, property owners and community stakeholders
- Identify strategies to make the station area more walkable
- Create a plan that will guide future redevelopment of the station area

City of SeaTac
everywhere's possible

Project Study Area

- The Angle Lake Station Area Plan will focus on the area 1/4 mile around the future light rail station

  While also considering connections with the neighboring communities



How to Get Involved

NEXT Thursday, 5/29, 6:30-8:00pm

Urban Design Framework Workshop

HERE at Madrona Elementary School (Library)

YOU'RE INVITED!

Also:

- Station Area Questionnaire (on City's Website)
- SeaTac Planning Commission's monthly project briefings

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